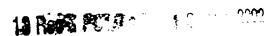
## SEQUENCE LISTING



<110% Altman, Elliot

\*130 > 235.00010101

<140 - US 09,701,947

<141 - 2000-12-05

<150: 60/104,013

151: 1993-10-13

<:150: 5(/112,150</pre>

<:151> 1998-12-14

<160× 110

<170> PatentIn Ver. 2.1

+:210:-1

<211: 133

+:212: DNA

<213: Escherichia coli

.-400-. 1

ggcagtgage gcaacgcaat taatgtgagt tageteacte attaggcace ecaggettta 60 caetttatge tteeggeteg tatgttgtg ggaattgtga geggataaca attteacaca 120 ggaaacaget atg

+210+ 2

<211: 25

<212: PET

\*213. Artificial Sequence

< 220 -

<223 > Description of Artificial Sequence: peptide
 having opposite charge ending motif

-220

<221 · SITE

<222 · 46 k . . · 21 /

+223 - any amino acid

439 - 2

```
1
               5
                           10
Maa Maa Maa Maa Arg Lys Arg Lys
           20
<210> 3
<2115 14
<212: PRT
<213 > Artificial Sequence
<220s
<223> Description of Artificial Sequence: stabilized
     angiotensin
<400× 3
Pro Pro Asp Arg Val Tyr Ile His Pro Phe His Ile Pro Pro
 1 5
                              10
<210> 4
-:211> 18
+:212:- PRT
*213 Artificial Sequence
<220>
<223> Description of Artificial Sequence: stabilized
    angiotensin
<400> 4
Glu Asp Glu Asp Asp Arg Val Tyr Ile His Pro Phe His Ile Arg Lys
1
              5,
                               10
Arg Lys
<310 > 5
<.111> 10
<212 - PRT
<213 · Homo sapiens
<4005 5
Asp Arg Val Tyr Ile His Fro Fhe His Ile
```

-

1

<210> 6	
<211 \ 20	
4212 · DNA	
<pre>&lt;2130 Artificial Sequence</pre>	
<220	
<223 - Description of Artificial Sequence: primer	
< 400 + 6	
gttgccattg ctgcaggcat	20
<210) 7	
<2118 42	
<212 DNA	
<213% Artificial Sequence	
<220's	
<223> Description of Artificial Sequence: primer	
<400» 7	
attgaattca taagatettt eetgtgtgaa attgttatee ge	42
<210% 8	
(211): 37	
<d12> DNA</d12>	
<213> Artificial Sequence	
::220»	
<pre>&lt;223&gt; Description of Artificial Sequence: primer</pre>	
<400> 8	
attgaattca ccatggacac catcgaatgg tgcaaaa	37
+210:-9	
<2115-19	
<pre>&lt;212&gt; DNA</pre>	
<pre>&lt;213% Artificial Sequence</pre>	
<220:.	
<223> Description of Artificial Sequence: primer	
<400.49	
	19
gttgttgcca ttgctgcag	13

.110.10	
<211 % 43	
+D12 + DNA	
<213 Artificial Sequence	
<3201	
<pre><pre>&lt;223&gt; Description of Artificial Sequence: primer</pre></pre>	
Share Description of Artificial Sequence: primer	
<400> 10	
tgtatgaatt coogggtaco atggttgaag acgaaagggo oto	<b>4</b> 3
<210 > 11	
<211> 36	
<212 DNA	
<213> Artificial Sequence	
<220×	
<223> Description of Artificial Sequence: primer	
<400: 11	
tactatagat ctatgaccat gattacggat teactg	36
enceacagae ceacgaesae gaecaeggae ecaeeg	50
+210 × 12	
<211× 36	
<212> DNA	
<pre>&lt;213&gt; Artificial Sequence</pre>	
•	
<220%	
<223> Description of Artificial Sequence: primer	
<400> 12	
tacataaago ttggootgoo oggttattat tatttt	36
+210 × 13	
×211% 47	
×212× DNA	
<213 Artificial Sequence	
y 220 i	
<223 Description of Artificial Sequence: primer	
• 400 > 13	
tatoatotgo agaggaaaca gotatgacca tgattacgga ttcactg	47
cabbattegs agaggadaca gottabgabba tigabtabgga tibbabbg	-

```
*210 * 14
<211 - 47
#212 - DNA
4213 - Artificial Sequence
e220m
<223 Description of Artificial Sequence: primer
<400 · 14
tacatacteg ageaggaaag ettggeetge eeggttatta ttatttt
                                                                   47
<2105 15
<2115 47
<2120 DNA
<213> Artificial Sequence
<220:-
<:223> Description of Artificial Sequence: primer
<400× 15
tatoatggat ccaggaaaca gotatgacca tgattacgga ttcactg
                                                                   47
42104-15
<211: 36
<212> DNA
~213% Artificial Sequence
4:220:-
~223> Description of Artificial Sequence: primer
<4000 16
tactatāgāt ctatggctat egaegaaaac aaacag
                                                                    36
×210× 17
<211 - 40
<212 > DNA
<213% Artificial Sequence
4220 H
+223 Description of Artificial Sequence: primer
<400> 17
atatataago tittaaaaaat ottogitagi tiotgotagg
                                                                    40
```

. 210 .		
211.	35	
-212-	DNA	
<213 →	Artificial Sequence	
4220		
4223	Description of Artificial Sequence: primer	
< <b>4</b> 00%	18	
tactat	agat ctatgaacaa aggtgtaatg cgacc	35
<210:	19	
<211»	35	
:212:		
	Artificial Sequence	
<2205		
	Description of Artificial Sequence: primer	
	accompany of management promot	
-: <b>4</b> 00:-	19	
		35
a c. cag c	guat tegenearee teegenaaaa geoge	-
d210:-	20	
<2115		
k2125		
42139	Artificial Sequence	
-:220b		
	Transmintion of Autificial Company, primar	
ಇವವರು 19	Description of Artificial Sequence: primer fragment	
	Tragillenc	
:4003		1 -
agatict	tatg aatto	15
4210b		
<211.		
~212.·		
<213 ⋅	Artificial Sequence	
-220-		
< 223 ×	Description of Artificial Sequence: primer	
	fragment	
400s	21	
adiation	tato aatto	15

ć

```
+210 + 22
.211 . 15
<210 - DNA
%213 · Artificial Sequence
{<}223{>} Description of Artificial Sequence: primer
     fragment
<:400:- 22</pre>
                                                                15
agatettatg aatte
3210> 23
<211> 93
<2125 DNA
<213> Artificial Sequence
×2205
<223> Description of Artificial Sequence: randomized
     cligonusleotide
4220b
<:221: misc_feature</pre>
<2225 (16)..(75)
%223> a, g, c, or t
<400> 23
nnnnnnnnn nnnnntaata agaatteteg aca
<210> 24
«211» 18
<2125 DNA
<213> Artificial Sequence
-120.
<.23) Description of Artificial Sequence: primer
<400 - 24</pre>
                                                               18
tgtcgagaat tcttatta
<210 € 25
*211 - 21
```

. . .

- 112 - ENA - 113 - Artificial Sequence	
<220> <220> <223> Description of Artificial Sequence: primer	
<400 × 25 teattaatge agetggeaeg	20
<210 > 26 <211 > 20 <212 > ENA <213 > Artificial Sequence	
<pre>&lt;220&gt;</pre> <pre>&lt;223&gt; Description of Artificial Sequence: primer</pre>	
<pre>&lt;400&gt; 26 ttcatacacg gtgcctgact</pre>	20
<pre>&lt;210&gt; 27 &lt;211&gt; 20 &lt;212&gt; DNA &lt;213&gt; Artificial Sequence</pre>	
<pre>&lt;220&gt; &lt;.223&gt; Description of Artificial Sequence: primer</pre>	
<400> 27 tageteasts attaggeace	20
<pre></pre>	
<220> <223 - Description of Artificial Sequence: primer	
<pre>r400 - 28 gatgacgatg agcgcattgt</pre>	20
<pre>&lt;210 - 29 </pre>	

a

+111 + DNA .113 - Artificial Sequence <2110 s <123 - Description of Artificial Sequence: antisense</pre> oligonucleotide 4400 - 29 tactatagat ctacggtcac tgaattttgt ggcttgttgg accaactgcc ttagtaatag 60 tggaaggrtg aaattaataa gaattotoga ca 92 <210: 30 <211 - 91 <212: ENA <213: Artificial Sequence <2200 <223> Description of Artificial Sequence: antisense cligonucleotide <4000 30 tactatagat ctacqtggcg ggactcatgg attaagggta gggacgtggg gtttatgggt 60 91 taaaataytt tgataataag aattotogac a <210:- 31 <211:- 92 <212: DNA <213> Artificial Sequence <220 → <223> Description of Artificial Sequence: antisense oligonucleotide <400: 31 tactatagat ctacqaacgg ccgaaccaaa cgaatcoggg acccaccago cgcctaaaca 60 gotaccagot gtggtaataa gaattotoga ca 92 #210.4 32 <211× 93 <212 - DNA <213> Artificial Sequence <2200> <123> Description of Artificial Sequence: antisense pliqunucleptide

<u>-</u>

-400» 32 tactatagat ctacggaccg tgaagtgatg tgtgcggcaa aacaggaatg gaaggaacga 50 acgccatagg cogogtaata agaattotog aca <210 > 33 <211: 93 <2125 DNA \*213> Artificial Sequence k220:-%223> Lescription of Artificial Sequence: antisense cligonucleotide <400: 33 tactatagat ctacgagggg cgccaactaa ggggggggga aggtatttgt cccgtgcata 60 atotogggtg ttgtotaata agaattotog aca 93 <210> 34 <211> 13 <212> FRT <213> Artificial Sequence ×2200 <223> Description of Artificial Sequence: stabilized reptide Met Val Thr Glu Phe Cys Gly Leu Leu Asp Gln Leu Pro 5 <2100 35 -2115-86 20125 EMA >213> Artificial Sequence ×220.4 <223: Description of Artificial Sequence: nucleic acid encoding stabilized peptide #400× 35 caggaaagat ctatggtcac tgaattttgt ggcttgttgg accaactgcc ttagtaatag 60 tggaaggotg aaattaataa gaatto 86

```
- 210 - 36
<211 · 16
<212 - FRT
%213   Artificial Sequence
4.120%
1223 Description of Artificial Sequence: stabilized
      peptide
<400% 36
Met Trp Arg Asp Ser Trp Ile Lys Gly Arg Asp Val Gly Phe Met Gly
                                      10
<210> 37
<2115 85
<212: DNA
<213> Artificial Sequence
4:220:-
<223> Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400± 37
baggaaagat otatgtggog ggactoatgg attaagggta gggabgtggg gtttatgggt 60
taaaatagtt tgataataag aatto
<210: 38
<211> 141
<212> DNA
%213% Artificial Sequence
4.220E
<223> Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 38
caggaaagat ctatgtcagg gggacatgtg acgagggagt gcaagtcggc gatgtccaat 60
egttggatet aegtaataag satteteatg tittgaeaget tateategat aagetitaat 120
                                                                    141
geggtagttt atcacagtta a
42105 39
<211. 42
≥212> FRT
+113 + Artificial Sequence
```

```
1311
<223: Description of Artificial Sequence: stabilized
      peptide
<400 - 39
Met Ser Gly Gly His Val Thr Arg Glu Cys Lys Ser Ala Met Ser Asn
                                     10
Arg Trp Ile Tyr Val Ile Arg Ile Leu Met Phe Asp Ser Leu Ser Ser
             20
                                 25
Ile Ser Phe Asn Ala Val Val Tyr His Ser
         35
                              40
<210: 40
<2115 6
H2125 PRT
<213 > Artificial Sequence
4:220b
<223> Description of Artificial Sequence: stabilized
      peptide
<:400> 40
Met Tyr Leu Phe Ile Gly
<210> 41
<2115 75
4212> DNA
<213> Artificial Sequence
<220×
<223> Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400 - 41
caggaaagat ctatgtattt gttcatcgga taatacttaa tggtccgctg gagaacttca 60
                                                                    75
gtttaataag aattc
<210> 42
<211> 87
<212 > DNA
<213 - Artificial Sequence
```

. 116 -<113 Description of Artificial Sequence: nucleic acid</pre> encoding stabilized peptide <400~42</pre> baggaaagat obatgottot attigggggg gactgogggo agaaagoogg atactitact 60 gtgctaccgt caaggtaata agaatte <210 - 43 4211 20 <212> PRT %213: Artificial Sequence <:220:-<223> Description of Artificial Sequence: stabilized peptide -:400>43Met Leu Leu Phe Gly Gly Asp Cys Gly Lys Ala Gly Tyr Phe Thr Val 5 10 15 Leu Pro Ser Arg 20 <210> 44 <211> 75 <212> DNA <213> Artificial Sequence H220H <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide 400 44 baggaaagat ctatgattgg gggategttg agettegeet gggcaatagt ttgtaataag 60 aattotoatg titga ~210.- 45 <211> 20 <212 + PRT <213 - Artificial Sequence -220% +223 - Description of Artificial Sequence: stabilized peptide

4400→ 45 Met Ile Gly Gly Ser Leu Ser Phe Ala Trp Ala Ile Val Cys Asn Lys 10 Asn Ser His Val 20 22105 46 <111> 14 <212 PRT <113> Artificial Sequence :220: <2235 Description of Artificial Sequence: stabilized peptide <400: 46 Met Asn Gly Arg Thr Lys Arg Ile Arg Asp Pro Pro Ala Ala 10 <210: 47 <211: 86 <212: DNA #213> Artificial Sequence <220> <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide -:400: 47 maggaaagat etatgaaegg eegaaecaaa egaateeggg acceaecage egeetaaaca 60 86 gotaccaget gtggtaataa gaatte <210: 48 <.11: 18 \*212: PRT >213> Artificial Sequence 4220. ~223 - Description of Artificial Sequence: stabilized peptide

14

Met Asp Arg Glu Val Met Cys Ala Ala Lys Gln Glu Trp Lys Glu Arg



5 10 15

Thr Fro

1

<2108 49
<2118 87
<2128 DNA
<2138 Artificial Sequence
<2208
<2228 Description of Artificial Sequence</pre>

<223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide

c400> 49
caggaaagat ctatggaccg tgaagtgatg tgtgcggcaa aacaggaatg gaaggaacga 60
acgccatagg ccgcgtaata agaattc 87

<210> 50
<211> 87
<212> ENA
<213> Artificial Sequence
<220>

<223> Description of Artificial Sequence: nucleic acid
 encoding stabilized peptide

 ${\scriptstyle <400 > 50}$  caggaaagat ctatgtagcc caatgcactg ggagcacgcg tgttaggtet agaagccacg 60 tacccattta atccataata agaatte \$87\$





```
<210 - 52
<211: 5
<212: PRT
<2135 Artificial Sequence
<2205
<223> Description of Artificial Sequence: stabilized
      peptide
<400> 52
Met Arg Gly Ala Asn
<210> 53
<211> 87
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400> 53
caggaaagat ctatgagggg cgccaactaa ggggggggga aggtatttgt cccgtgcata 60
atotogggtg ttgtotaata agaatto
<210> 54
<211> 4
<212> PRT
<213> Artificial Sequence
<220%
{st223}{st} Description of Artificial Sequence: N-terminal
      protective sequence
<220>
<2215 SITE
<2225 (1)
<223> any amino acid
<2201
<221 - SITE
<222. (4)
<223> any amino acid
<4000 54
```



1	
<210 ≥ 55	
<211>- 36	
k212 <sub>3</sub> ENA	
<2138 Artificial Sequence	
±220±	
<223: Description of Artificial Sequence: primer	
<400s 55	
tactatagat etatgaecaa acaggaaaaa acegee	36
Taccacagae ceaegaceaa acaggadada acegee	3.0
<210> 56	
<211> 36	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: primer	
AZZO Z SDOLIPOLON DI MICHILICIAL DOGACNOC. PLIMOL	
<400> 56	
tatacgtatt cagttgetca catgttettt eetgeg	36
<210s 57	
<210s 57 <211s 41	
<211:-41	
<211% 41 <212% DNA	
<211% 41 <212% DNA	
<211: 41 <212: DNA <213 - Artificial Sequence	
<211: 41 <212: DNA <213: Artificial Sequence	
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer	
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer <400: 57	
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer	4 1
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer <400: 57	4 1
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer <400: 57	4 1
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer <400: 57	4 1
<pre>&lt;211: 41 &lt;212: DNA &lt;213: Artificial Sequence &lt;220: &lt;223: Description of Artificial Sequence: primer &lt;400: 57 aattcatact atagatetat gaccaaacag gaaaaaaccg c</pre>	41
<pre>&lt;211: 41 &lt;212: DNA &lt;213: Artificial Sequence  &lt;220: &lt;223: Description of Artificial Sequence: primer  &lt;400: 57 aattcatact atagatetat gaccaaacag gaaaaaaccg c  &lt;210: 53</pre>	41
<pre>&lt;211: 41 &lt;212: DNA &lt;213: Artificial Sequence  &lt;220: &lt;223: Description of Artificial Sequence: primer  &lt;400: 57 aattoatact atagatetat gaccaaacag gaaaaaaccg c  &lt;210: 53 &lt;211: 42 &lt;212: DNA</pre>	4 1
<211: 41 <212: DNA <213: Artificial Sequence <220: <223: Description of Artificial Sequence: primer <400: 57 aattcatact atagatetat gaccaaacag gaaaaaaccg c <210: 58 <211: 42	41
<pre>&lt;211&gt; 41 &lt;212&gt; DNA &lt;213 - Artificial Sequence  &lt;220 - &lt;223 - Description of Artificial Sequence: primer  &lt;400 - 57 aattoatact atagatetat gaccaaacag gaaaaaaccg c  &lt;210 - 58 &lt;211 - 42 &lt;212 - DNA &lt;213 - Artificial Sequence</pre>	4 1
<pre>&lt;211: 41 &lt;212: DNA &lt;213: Artificial Sequence  &lt;220: &lt;223: Description of Artificial Sequence: primer  &lt;400: 57 aattoatact atagatetat gaccaaacag gaaaaaaccg c  &lt;210: 53 &lt;211: 42 &lt;212: DNA</pre>	4 1

**4**00 × 58 tatataatac atgtcagaat togaggtttt caccgtcatc ac 42 <210: 59 <211 · 96 <212= DNA <213: Artificial Sequence < 220-<223 - Description of Artificial Sequence: randomized</p> oligonucloetide < 220% <221: misc\_feature <222: (16)..(75) <223> a, g, c, or t <400× 59 nnnnnnnnn nnnnncatag atctgcgtgc tgtgat 96 <210 → 60 <:211> 21 :212: DNA %213> Artificial Sequence :220:-<223> Description of Artificial Sequence: primer 400: 60 atcacageae geagatetat g 21 -210: 61 <211. 36 -212- DNA 2213: Artificial Sequence -220: \*223 - Description of Artificial Sequence: randomized oligonucleotide

×2200

%221> misc\_feature
%222 + \*13 \* . . 15 \*
\*223 \* a, q, c, or t

0.400 > 61 tactatgaat tennngaatt etgecaccac tactat 35 €210: €2 .211 - 21 <2115 DNA %213 Artificial Sequence <223 Description of Artificial Sequence: primer <400 > 62 itagtagtgg tggcagaatt c 21 <210: 63 <211:- 105 4212: DNA \*213 Artificial Sequence 4:220× <223: Description of Artificial Sequence: randomized</pre> oligonucleotide k2205 <:221> misc\_feature <2225 (22)..(81)</pre> :223> a, g, c, or t <4005 €3 nnnnnnnn nnnnnnnnn neegeegtaa taagaatteg tacat 105 <2105 64 <2.11: 24 <212: DNA >213> Artificial Sequence ×220 ×

24

<223 Description of Artificial Sequence: primer</pre>

4400> 64

atgtacgaat tottattacg gogg





```
×210≥ 65
<2118 90
police
&213* Artificial Sequence
<220>
<223 Description of Artificial Sequence: randomized
      oligonucleotide
<220b
<221: mist_feature</pre>
<2025 (18)
<223% a, g, c, or t
<220×
<201> misc_feature
<222: (21)
<223 a, g, c, or t
<220s
<:221> misc_feature
32225 (24)
*2235 a, g, c, or t
4:2200H
<:221: misc_feature</pre>
~:222:4 (27)
*223: a, g, c, or t
4:220th
<221> misc_feature
H222H (30)
+2.33 \times a, g, c, or t
<220p
-331 - misc feature
k222. (33)
×223 a, g, c, or t
-220s
<221 miss feature
4222 - (361
-223 a, g, c, dr t
220 ·
```

> 221 - misc\_feature

2223 → a, g, c, or t

-2222 -394

```
<2210 h
#221 misc_feature
42023 (42)
<223% a, g, c, or t
41.110 h
<!Dli> misc_feature
<222: (45)
<123% a, g, c, cr t</pre>
<2200e
<:221: misc_feature</pre>
<211: (48)
<2135 a, g, c, or t
<2200%
<221> misc_feature
<222: (51)
<2235 a, g, c, or t
<220>
%321> misc feature
k2223 (54)
4:223: a, g, c, or t
<2200%
\texttt{<221:} \texttt{misc\_feature}
<222: (57)
k2235 a, g, d, or t
<220%
<221: misc_feature</pre>
HBBB - (60)
<223% a, g, c, or t
-:220.-
<ddl < misc_feature</pre>
-:222- (63)
+223 - a, g, c, or t
-:220 -
```

<221 · misc\_feature

<223 - a, g, c, or t

≤222: (66)

«401» 65
tactatagat ctatquanva nyanyanyan yanyanyany anyanyanya nyanyanyan 60





vanvantaat aagaattotg ooagoactat	90
<210% 66 <211% 24 <212% DNA <213% Artificial Sequence	
<220% <223% Description of Artificial Sequence: primer	
<pre>atagtgctgg cagaattott atta</pre>	24
<pre>42108 67 &lt;2119 105 &lt;2129 DNA &lt;2138 Artificial Sequence</pre>	
<pre>&lt;220&gt; &lt;223&gt; Description of Artificial Sequence: randomized</pre>	
<220:- <221> misc_feature <222> (28)(75) <223> a, g, c, or t	
<pre>&lt;400&gt; 67 tactatagat ctatggaaga cgaagacnnn nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnn</pre>	60 109
<2105 58 <2115 30 <2125 DNA <2135 Artificial Sequence	
<pre>~220 . &lt;223 Description of Artificial Sequence: primer</pre>	
<400% 68 atgtacgaat tottattatt tacgtttacg	3.0
<pre>&lt;210 + 69 &lt;211 &gt; 81</pre>	





212.	THE	
	Artificial Sequence	
4.220 -		
< 223 h	Description of Artificial Sequence: nucleic acid	
	encoding stabilized peptide	
< <b>4</b> 00 ·	€ 9	
	atge egeogattet atggggegaa gegagaaage gettgtgggg tggggateat	60
adaddg	googt aataagaatt o	81
210		
<2105 <2115		
<2125		
	Artificial Sequence	
-: 220:-		
-:2235	Description of Artificial Sequence: stabilized	
	peptide	
<: <b>4</b> 00:	70	
Met Pr	to Pro Ile Leu Trp Gly Glu Ala Arg Lys Arg Leu Trp Gly Gly	
1	5 10 15	
	is Thr Pro Pro	
	is Thr Pro Pro	
	is Thr Pro Pro 20	
Asp Hi	is Thr Pro Pro 20	
Asp Hi	is Thr Pro Pro 20 71	
Asp Hi <210> <211> <212>	is Thr Pro Pro 20 71	
Asp Hi <210> <211> <212> <213>	is Thr Pro Pro 20 71 90 DNA	
<pre></pre>	is Thr Pro Pro 20 71 90 DNA Artificial Sequence	
<pre></pre>	is Thr Pro Pro 20  71  90  DNA Artificial Sequence  Description of Artificial Sequence: nucleic acid	
<pre></pre>	is Thr Pro Pro 20 71 90 DNA Artificial Sequence	
<pre></pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide	
<pre>Asp Hi &lt;210&gt; &lt;211&gt; &lt;212&gt; &lt;213&gt; &lt;223&gt; &lt;400 -</pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide	60
<pre></pre>	The Pro Pro 20  71 90 DNA Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71 satgo ogcogoogtt ggatattgtg togggtattg aggtaggggg gcatttgtgg	60 90
<pre></pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71  tatge egeogeogtt ggatattgtg tegggtattg aggtagggg geatttgtgg	
<pre></pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71  tatge egeogeogtt ggatattgtg tegggtattg aggtagggg geatttgtgg	
<pre></pre>	The Pro Pro 20  71 90 DNA Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71 stage ogcogoogtt ggatattgtg togggtattg aggtaggggg geatttgtgg oggta ttaagaatto toatgtttga	
<pre> Asp Hi  &lt;210&gt; &lt;211&gt; &lt;211&gt; &lt;212&gt; &lt;223&gt; &lt;400 - agatot tgccgc </pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71  atgc ogcogoogtt ggatattgtg togggtattg aggtaggggg gcatttgtgg oggta ttaagaattc toatgtttga	
<pre>Asp Hi &lt;210&gt; &lt;211&gt; &lt;211&gt; &lt;212&gt; &lt;213&gt; &lt;223&gt; &lt;223&gt; </pre>	The Pro Pro 20  71  90  DNA  Artificial Sequence  Description of Artificial Sequence: nucleic acid encoding stabilized peptide  71  adage egeogeegtt ggatattgtg tegggtattg aggtaggggg geatttgtgg regta ttaagaatte teatgtttga	



<pre>.220. &lt;223. Description of Artificial Sequence: stabilized     peptide</pre>
<pre> «400s 72  Met Pro Pro Pro Leu Asp Ile Val Ser Gly Ile Glu Val Gly His 1 5 10 15 </pre>
Leu Trp Cys Arg Arg Ile Lys Asn Ser His Val 20 25
<2108 73 <2119 81 <2129 DNA <2139 Artificial Sequence
<pre>%220&gt; %223&gt; Description of Artificial Sequence: nucleic acid encoding stabilized peptide</pre>
<pre>&lt;400% 73 agatetatge egeeggaeaa teeggteetg tgatgaageg gaggtegaec aaggggatat 60 dageegeegt aataagaatt e</pre>
<210: 74 <211: 8 <212: PRT <213: Artificial Sequence
<pre>&lt;220&gt; &lt;221&gt; Description of Artificial Sequence: stabilized     peptide</pre>
Met Pro Pro Asp Asn Pro Val Leu 1 5
<pre>%210 + 75 %211 + 81 %212 + DNA %213 - Artificial Sequence</pre>
<220) <223 - Description of Artificial Sequence: nucleic acid

encoding stabilized peptide

. 40-0-- 75 agatotatgo ogcogotatt ggaoggagat gacaaataga tatatgogtg gttgtttttc 60 tigtocgoogt aataagaatt o 210: 76 <211: 10 ..212: PRT %213> Artificial Sequence 4:120:4 %223% Description of Artificial Sequence: stabilized peptide <400> 76 Met Pro Pro Leu Leu Asp Gly Asp Asp Lys <210∺ 77 <211: 79 <212> DNA <213: Artificial Sequence ::220:-<223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <4005 77 agatctatg: cgccgaggtg gaagatgttg ataagacagt gacagatgcg ttccattact 60 doogoogtaa taagaatto H210H 78 <211:- 11 <212: FRT ~213: Artificial Sequence -2201-<223. Description of Artificial Sequence: stabilized peptide

10

Met Pro Pro Arg Trp Lys Met Leu Ile Arg Gln





```
-- 110 - 79
+211> 39
3212 > DNA
4213 Artificial Sequence
42205
<223 - Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
k4005 79
agatotatga tgagagtago googoogtaa taagaatto
                                                                    39
<2105 80
<2115 7
<2125 PRT
<213> Artificial Sequence
<220>
%223> Description of Artificial Sequence: stabilized
      reptide
<400: 80
Met Met Arg Val Ala Pro Pro
  1
                  5.
<210> 81
<2115 81
<2125 DNA
<213: Artificial Sequence
<220≥
«223: Description of Artificial Sequence: nucleic acid
      encoding stabilized peptide
<400: 81
agatotatgo ogcogttgog oggggoatgo gatgtatatg gggtaaattg aatgtottgt 60
gggccgccgt aataagaatt c
                                                                    81
<210: 82
-211.- 14
<212. PRT
<213> Artificial Sequence
+223 > Description of Artificial Sequence: stabilized
```

peptide

<2115 83 <2115 81 <2125 DNA <2135 Artificial Sequence

<400> 83
agatetatge egeegggag aggggaageg gtgggagtga catgettgag egegaaegtg 60
taccegeegt aataagaatt e
81

«210» 54

«211» 21

«212» PRT

«213» Artificial Sequence

<223> Description of Artificial Sequence: stabilized
 peptide

 ${<}400{\times}~54$  Met Pro Pro Gly Arg Gly Glu Ala Val Gly Val Thr Cys Leu Ser Ala 1 5 10 15

Asn Val Tyr Pro Pro 20

+:220:-

<210: 85 <211: 81 <212: DNA <213: Artificial Sequence

<223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide

24005 85

< 220%





agatotatge egeogggaag ggtagtgtte titgtegeta tettigitte egeaatatge 60 ctcccgccgt aataagaatt c R2105 36 <211 > 21 <212> PRT <213> Artificial Sequence x2205 ::223: Description of Artificial Sequence: stabilized reptide <4005 56 Met Pro Pro Gly Arg Val Val Phe Phe Val Ala Ile Phe Val Ser Ala 5, 10 Ile Cys Leu Pro Pro 20 <210> 87 <211> 81 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400> 87 agatctatgc cgccgaggtt cgctcatgag agtgttaaaag ggctggggga cgttacaaaa 60 gctccgccgt aataagaatt c <210> 88 <211> 21 <212> FRT <213> Artificial Sequence 4220b <223> Description of Artificial Sequence: stabilized peptide <400> 88 Met Pro Pro Arg Fhe Ala His Glu Ser Val Lys Gly Leu Gly Asp Val 1 5 10

Thr Lys Ala Fro Fro

aattotoatg titga



20 <210 → 89 <211> 72 k212 s DNA <213 Artificial Sequence</p> 4:220> %223 > Description of Artificial Sequence: nucleic acid encoding stabilized peptide Agatotatgo atgangaada agaggaggag dadaataaaa aggataanga aaaagaadad 60 taataagaat to <2105 90 -:211>- 18 <212> PRT <213> Artificial Sequence 8220b +:223> Description of Artificial Sequence: stabilized reptide <4005 90 Met His Asp Glu Glu Glu Glu His Asn Lys Lys Asp Asn Glu Lys 10 Glu His 33105 91 .:2115 75 -:112:- DNA <213 Artificial Sequence €220€ <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400→ 91 agatotatgo agcaggagoa ogagoaaggo aggatgagoa agaggatgaa gaataataag 60

<2105 92 2211s 22 4212 - PRT <213> Artificial Sequence 4:120 te <223> Description of Artificial Sequence: stabilized reptide <4005 92 Met Gln Gln Glu His Glu Gln Gly Arg Met Ser Lys Arg Met Lys Asn 1 5 10 Asn Lys Asn Ser His Val 20 <210> 93 <2115 75 <212> DNA <213> Artificial Sequence <220s <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400> 93 agatctatga accatcataa tgaggccatg atcaacacaa tgaaaacgag gaataataag 60 75 aattctcatg tttga <2105 94 <211> 22 <212> PRT <213> Artificial Sequence <220≥ <223> Description of Artificial Sequence: stabilized peptide <400> 94 Met Asn His His Asn Glu Ala Met Ile Asn Thr Met Lys Thr Arg Asn 1 5 10 15

Asn Lys Asn Ser His Val

k210> 95	
<211 - 72	
<010> DNA	
<213 - Artificial Sequence	
<220b	
<223: Description of Artificial Sequence: nucleic acid	
encoding stabilized peptide	
<400× 95	
agatotatga acgacgacaa toagcaagag gataatoatg atcagcataa ggataacaaa (	60
	72
4:210 × 96	
<211> 18	
<2125 FRT	
<213> Artificial Sequence	
•	
<220×	
<223> Description of Artificial Sequence: stabilized	
peptide	
• •	
×400> 96	
Met Asn Asp Asp Asn Gln Gln Glu Asp Asn His Asp Gln His Lys Asp	
1 5 10 15	
Asn Lys	
<210> 97	
<d11 72<="" td="" ×=""><td></td></d11>	
<212: DNA	
Ratificial Sequence	
<220 -	
<223 - Description of Artificial Sequence: nucleic acid	
encoding stabilized peptide	
• •	
<400×95	
agatetatge aagageagga teageataat gataaceate aegaggataa acataagaag	<b>6</b> 0
	72

3.1

-211 - 18



<212> PRT <213 - Artificial Sequence <320 -«..23 · Description of Artificial Sequence: stabilized peptide <400 - 98 Met Gln Glu Gln Asp Gln His Asn Asp Asn His His Glu Asp Lys His 10 Lys Lys <210> 99 <211 > 93 <212> DNA <213> Artificial Sequence <220 > <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <4005 99 agatetatgg aagaegaaga egagggtgeg teagegtggg gageagaaet ttggtegtgg 60 cagtcggtgc gtaaacgtaa ataataagaa ttc 93 <210> 100 <211> 25 <212> PRT <213> Artificial Sequence <220b <223> Description of Artificial Sequence: stabilized peptide <4005 100 Met Glu Asp Glu Asp Glu Gly Ala Ser Ala Trp Gly Ala Glu Leu Trp 1 5 Ser Trp Gln Ser Val Arg Lys Arg Lys 20 <210 - 101

<211> 93

<2125 LNA <213> Artificial Sequence <220: <223% Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400 > 101 agatotatgg aagacgaaga oggtotaggo atggggggtg ggttggtcag gotcacttta 60 ttattettee gtaaaegtaa ataataagaa tte 93 <2105 102 <211> 25 <212> PRT <213> Artificial Sequence <220 → <223> Description of Artificial Sequence: stabilized peptide <400> 102 Met Glu Asp Glu Asp Gly Leu Gly Met Gly Gly Gly Leu Val Arg Leu 1 5 10 15 Thr Leu Leu Phe Phe Arg Lys Arg Lys 20 <210> 103 <2115 93  $< 212 \times DNA$ <213> Artificial Sequence <220 s <2223 Description of Artificial Sequence: nucleic acid encoding stabilized peptide

< 100 · 103

agatotatgg aagacgaaga eggggagagg atceaggggg eeegetgtee agtagegetg 60 gtagatagae gtaaacgtaa ataataagaa tte 93

 $-210 \times 104$ 

<211 × 25

₹212 > PRT

<213 Artificial Sequence

<2200s <223 - Description of Artificial Sequence: stabilized peptide <400:104 Met Glu Asp Glu Asp Gly Glu Arg Ile Gln Gly Ala Arg Cys Pro Val 10 Ala Leu Val Asp Arg Arg Lys Arg Lys 20 <210: 105 <211> 11 <212> PRT <213> Artificial Sequence <220> <223> Description of Artificial Sequence: stabilized peptide <400> 105 Met Glu Asp Glu Asp Asp Arg Gly Arg Gly Arg 5. 10 <210> 106 42115 93 <212> DNA <213: Artificial Sequence + 220> <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <:400> 106 agatrtatgg aagacgaaga cgacaggggg cgtgggcggt agctttaagt tgcgctaagt 60 tgcgagatac gtaaacgtaa ataataagaa ttc 93 <210. 107 ₹211:- 93

<212 - DNA

**OP** 

<400> 10° agatetatgg aagaegaaga eggggggee gggaggaggg cetgtetttg tteegegett 60 gttggggaac gtaaacgtaa ataataagaa ttc <210 → 108 <211) 25 <2125 PET <213 > Artificial Sequence <220> <2233 Description of Artificial Sequence: stabilized peptide <400 - 108 Met Glu Asp Glu Asp Gly Gly Ala Gly Arg Arg Ala Cys Leu Cys Ser Ala Leu Val Gly Glu Arg Lys Arg Lys 20 <2105 109 <211> 90 <212> DNA <213> Artificial Sequence <220> <223> Description of Artificial Sequence: nucleic acid encoding stabilized peptide <400> 109 agatotatgg aagacgaaga caagcgtege gagaggagtg caaaagggeg teatgteggt 60 eggtegatge gtaaaegtaa ataagaetgt 90 <210 - 110 <211> 25 <212> PRT <213> Artificial Sequence k22(b <2230 Description of Artificial Sequence: stabilized peptide 4400> 110 Met Glu Asp Glu Asp Lys Arg Arg Glu Arg Ser Ala Lys Gly Arg His

1. 4

1 5 13 15

Val Gly Arg Ser Met Arg Lys Arg Lys